

THE TECH

VOL. XXVI. NO. 80

BOSTON, MASS., MONDAY, MAY 6, 1907

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MAKES ARTIFICIAL COPPER.

Sir William Ramsay, English Chemist, Discovers Process for Producing it.

Pres. Ira Remsen of Johns Hopkins University is authority for the statement that Sir William Ramsay, the famous chemist of Cambridge University, has discovered a method of making artificial copper.

Pres. Remsen has a letter from the famous Englishman stating that Sir William has succeeded in accomplishing what no other chemist has ever been able to do—the segregation of one element from another and the production of copper by the synthetic process from the elements sodium, lithium and potassium.

A combination of these elements, when treated with radium vapor, gives as a product copper sulphate which is readily broken down into copper. Such is the substance of his experiments.

Considered from the purely scientific view point, the discovery of Prof. Ramsay is without parallel in the field of chemistry. Never have scientists been able to pass from one element to, except in the case of radium and helium, although some have imagined that such a thing might be possible. An element is supposed to be irreducible.

"The discovery of Sir William Ramsay of a method of making artificial copper, if it is a fact, will

(Continued on Page 3)

SOPHOMORES WIN CROSS COUNTRY.

Although but four Sophomores and three Freshmen ran in the cross-country race Saturday, the men who ran did some hard running. Counting the first three men on each team, the score was 6 to 17 in the Sophomore's favor. Ellis, '09, led after the first half mile and won by 200 yards over Hulsizer, '09, in 31m. 5s. Stephenson, '09, passed about half way round the track, McCarthy, '09, who had held third place from the second mile post. Huber, '10, also passed McCarthy 100 yards from the finish and came in fourth, 50 yards behind Stephenson. McCarthy finished fifth and was closely followed by Potter, '10. Harrington, '10, had bad luck at the first mile, where he was running third with Huber second.

R. L. Smith, '09, timed the race. On account of the softness of the ground it was very hard running. The absence of L. O. Mills, '10, and E. L. Patch, '10, was strongly felt.

CIVICS LAST MEETING.

The Civic Club held a meeting Friday night. Vice-President Hibbard presided. It was voted that this meeting be the last of the year, owing to the fact that the proper date for the next meeting falls during examination week. The subject under discussion was "Resolved that the Introduction of Cabinet Government into the United States would be Advisable." R. Ellis, '09, a member from England, spoke on the affirmative and S. L. Henderson, '10, spoke on the negative. The negative side received the majority of votes on the merits of the question.

TECH NIGHT JUNE 4.

Arrangements Made for the Annual Tech Celebration at the Pop Concerts.

At the meeting of the commencement day committee of the Association of Class Secretaries last Friday active preparations for the Tech Pops were started. A sub-committee, composed of R. H. Lord, '05, chairman, L. W. Pickert, '93, M. L. Emerson, '04, R. M. Folsom, '05, L. Allen, '07, K. Vonnegut, '08, B. E. Hutchinson, '09, and A. F. Glazier, was appointed to take charge.

As usual Tech Night at the Pops will come on the Tuesday night of graduation week, June 4. None but Tech men, alumni and undergraduates, professors and instructors, will be allowed on the floor. Tickets will be on sale in about a week and can be procured from any member of the committee. The price is one dollar.

Those who desire to bring ladies can get seats for them in the balconies where they will be able to see the fun and hear the music

(continued on Page 3)

LAST MINING ENG. SOC. MEETING.

The last meeting of the Mining Engineering Society will be held at the Union on Thursday evening, May 9, at 7.45 P.M. The election of officers for the ensuing year will be held at this time.

Messrs. Penny and Bridgeman, '08, and Keeney, '09, have been appointed nominating committee and will have charge of the elections. The officers are president, treasurer, and vice-president from '08, and secretary from '09, with a member of executive committee from each. Any desiring to make nominations will kindly hand same to any of the above men.

Mr. Arthur Winslow, M. I. T., '81, will give a short talk after the business meeting. He has not named his subject but will certainly tell something worth hearing. He has been State Geologist of Missouri, and has been active as engineer and manager in mines in Colorado and at Tonapah, Nevada.

All members are urged to be present and any names to be voted on for membership should be handed to the secretary.

MEXICANS CELEBRATE.

El Circulo Mexicana held a dinner at the Boston Yacht Club Saturday evening, in celebration of the fifth of May, the anniversary of the defeat of the French by the Mexicans. About twenty-five men were present several of whom were Harvard men. Mr. Cushing the Mexican Consul in Boston was the guest of honor.

El Circulo Mexicana was formed during this last year and has at present about fifteen members.

The dinner consisted strictly of Mexican dishes.

EXERCISES TO BE SUSPENDED.

At the request of the Advisory Council, the Faculty has voted that the exercises of the Institute be suspended from twelve o'clock noon on November 8 for the annual Field Day.

TECH 86, MAINE 40.

Tech Easily Wins Meet Held in Steady Downpour and on Slippery Field.

(Special Dispatch to THE TECH.)

ORONO, ME., May 4.—In spite of the inclement weather and the hoodoo number, 23, Tech won the dual meet from the University of Maine at Orono, today, by the score of 86 to 40. Dreadful was the weather that met the Tech men when they got off the train at Orono. The field, laid out on soft clayey ground, was a pond, and the track was very slippery.

The fates pursued the team from the time it left Boston until after the meet. Twenty-four men were to be taken but Mills missed the train, and gave the first 23. The fellows discovered soon after starting the Pullman coach number was 2323. Then came the climax, Gimson being handed 23 as his competitor's number, and falling at the end of the first quarter in the half mile.

Gimson was not the only one to fall for Torrey of Maine went down with him. Blackburn and Wyman of Maine went down in the quarter while Eaton fell near the finish in the high hurdles.

Gram was the one big star for Tech, equaling the Institute record in the 100, securing second in the 220, and running the quarter on the watery track in 52 3-5 sec.

In the first heat of the 220 Wyman of Maine and Blackburn ran a dead heat, but the Tech man won out by a close shave in the final. Both Tech and Maine lost good men by falls in the quarter but Gram beat out the fast St. Onge in fast time. Cummings, after Gimson fell, walked off with the half-mile with the Maine men trailing in. Buckingham of Tech and Fortier of Maine had a close race in the mile run, the latter catching and passing the Tech veteran near the finish.

MacGregor established a new record in the two mile in easy fashion with Udale trotting on a few yards behind. The accident in the high hurdles lost Tech a second place, for Albro and Eaton were running even over the last hurdle when the latter went down. The low hurdles went to Clayton of Maine by a small margin over Fernstrom.

The lanes were in such a sloppy condition that R. H. Allen was only able to do 5 ft. 3 in. in the high jump. Orr and Schobinger had an easy time in the pole vault, as did Eaton and Schobinger in the broad jump.

Scharff won his letter and first place in the hammer throw as did Nisbet in the discus.

There were from five to six hundred at the meet. The team went to the theatre in Bangor in the evening and stayed over night at the Bangor House. The team returned yesterday.

Rain, snow, sleet, hail, rain mixed with Bangor mud from 11 A.M. until darkness covers the day's weather.

100-yard dash—First heat, won by Gram, T; second, Blackburn, T. Time, 10 1-5s. Second heat, won by Fernstrom, T; second, Richards, T. Time 10 2-5s.

220-yard dash—First heat, won by Richards, Tech; second, Wyman, M. Time 24s. Second heat, won by Gram,

CALENDAR.

MONDAY, MAY 6.

1.00 P.M. Meeting of the Board of Editors of THE TECH in 30 Rogers.

4.00 P.M. Mandolin Club Rehearsal at the Y. M. C. A.

TUESDAY, MAY 7.

4.00 P.M. Baseball, 1910 vs DeMerritt at the Field.

4.15 P.M. Glee Club Rehearsal at the Y. M. C. A.

WEDNESDAY, MAY 8.

4.15 P.M. Glee Club Rehearsal at the Y. M. C. A.

5.00 P.M. Class Day Committee meeting in 27 Rogers.

6.00 P.M. Annual Dinner of THE TECH at the American House.

FACULTY NOTICE.

Theses.—Theses are to be written on one side only of paper of good quality, 8 by 10 1/2 inches in size, with an inch margin on the inner, and a half inch margin on the outer edges. Theses must be handed to me not later than the first annual examination.

A. L. MERRILL,
Secretary of the Faculty.

Petitions to be allowed to postpone condition examinations until September cannot be granted unless for distinctly exceptional reasons. In case clear records are not obtained at the examinations at the end of the term, application may be made for September examinations, the probable action on such applications depending on the student's general record.

T; second, Coc., M. Time 23 4-5. Final heat, won by Blackburn, T; second, Gram, T; third, Cook, M. Time 23 2-5s.

440-yard dash—Won by Gram, T; second, St. Onge, M; third, Cummings, T. Time 52 3-5s.

880-yard run—Won by G. H. Chapman, T; second, Bean, M; third, Bolton, M. Time 2m 6 2-5s.

One mile run—Won by Fortier, M; second, Buckingham, T; third, Howland, T. Time 4m. 55 1-5s.

Two mile run—Won by MacGregor, T; second, Udale, T; third, Howland, T. Time 10m. 18 3-5s.

120-yard low hurdles—Won by Albro, T; second, Miner, M; third, Knight, M. Time 17 3-5s.

220-yard low hurdles—Won by Clayton, M; second, Fernstrom, T, third, Albro, T. Time 27 3-6s.

High jump—Won by Meserve, M, height 5 ft. 4 in; second, Allen, T, 5 ft. 3 in.; third, Nichols, M, 5 ft. 2 in.

Pole vault—Schobinger and Orr of Tech tied at 9 ft. 8 in.; third, Towle, M, 9 ft. 6 in.

Broad jump—Won by Eaton, T, distance 19 ft. 7 in.; second, Schobinger, T, 19 ft. 6 in.; third, Knowlton, M, 19 ft. 4 in.

Shot put—Won by Farwell, M, distance 35 ft. 7 1-2 in.; second, Allen, T, 33 ft. 3 3-4 in.; third, Green, M, 32 ft. 6 in.

Hammer throw—Won by Scharff, T, distance 97 ft. 4 in.; second, Beam, M, 96 ft. 7 in.; third, Flagg, T, 95 ft. 7 in.

Discus throw—Won by Nisbet, T, distance 99 ft. 8 in.; second, Allen, T, 94 ft. 3 in.; third, Harlow, M, 92 ft. 1 in.

The talk on "The Pros and Cons of Esperanto" to be given at the Public Library tomorrow evening has an especial interest as Prof. Weiner, who is opposed to the propagandism of the universal language, will discuss the weak points of Esperanto.

THE TECH

Published every Monday, Wednesday, and Friday during the college year (from September to June), by students of the Massachusetts Institute of Technology.

Entered as second-class matter October 6, 1904, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted. All communications regarding subscriptions or advertisements should be addressed to the Business Manager.

Subscription - - - \$1.50 per year in advance.
Single Copies 3 Cents.

In charge of this issue: W. F. Dolke, Jr., 1908.

Monday, May 6, 1907.

Come, all good Tech men, when your exams are done, and join the merry throng at the Pops where all will forget the flunks and troubles in the last good time of the year. It will truly be the last time for many of us; some will graduate, and alas, some will leave for other reasons, but whatever the reason, whatever the cause, if leave we must, let's have the parting a jolly one. To leave with the last memory that of exams would be to leave with a bad taste in our mouths. Rather let us think of the friends we have made and the times we have had, and when, amid the summer's toil and the outer world's hustle and bustle, a moment we snatch to give to our pipes and our thoughts, our dream of the future may be rosier by the light of the memories of the past.

"So come, let's be gay,
When we die, it's good-day,
So boys, drink up."

The progressiveness of the Architectural Society has often been spoken of in these columns and now, at the time Help One when most of the so-Another. cieties and clubs are electing the officers for next year, it seems well to call attention to another feature of the organization of the Course IV club: *i. e.*, the passing along of books and experience from the old officer to the new. Each old officer of the Architectural Society has a long talk with the new one, explaining the details of the position and the customs of the society, with the result that the business is always moving along steadily. This cannot be said of all clubs and the sporadic activity of many of the student activities is due to the fact that the new officer receives no help from the old. One

good feature of this passing along knowledge is that a business man will give the club a bad deal only once—all future officers will be warned against him and thus the best service is always secured.

Indiana University has established a department of journalism. The first two years of the course will be devoted to English, history, languages, and mathematics. In the third year the major work will be devoted to journalistic subjects, history, and the theory of newspaper making. The fourth year will be given to practical experience. Courses of lectures by prominent newspaper men will be given throughout the course.

Notre Dame is playing this year a baseball schedule of nearly forty games, one of the heaviest of any college or university East or West.

Phillip Exeter Academy has received a bequest of \$20,000 from the estate of the late Josiah H. Hobbs, of Washington, D. C.

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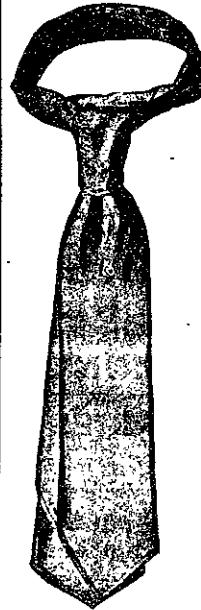
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(Continued from Page 1.)

be of immense scientific interest, but of no commercial value, because the materials used would cost more than the natural copper," said Prof. Richards Saturday.

"Sodium, lithium and potassium are very high priced chemicals, and radium vapor, with which these elements are supposed to be treated, is also very expensive. The result of such a combination might be the production of copper of great scientific value, as opening up an entirely new department in nature of untold possibilities, but of no immediate commercial value."

Prof. Talbot said Saturday:

"In view of the fact that such names as Remsen and Ramsay are attached to it, we must give the story of the discovery some consideration but otherwise until some more authoritative statement is made by Sir Ramsay we must hold opinions in abeyance. The fact that radium plays a part in the process is interesting as we know so little concerning the element. Another interesting feature is that sodium, lithium and potassium are in the same atomic group with copper."

TECH NIGHT JUNE 4.

(Continued from Page 1.)

and still be out of range of the seltzer bottles. Any crowd of fellows who intend going together can procure a block of seats in the balcony by mailing their order with payment enclosed to the chairman of the committee. This should be done at once as the balcony seats go rapidly.

The committee intends making class spirit the keynote of the evening. As usual, each class will be assigned a section of the floor and will march in under its banner. The fact that the alumni classes have their annual dinners that evening makes it easy for each class to get together at the Pops. The class and Tech yells, together with the sporadic cheering of happy individuals, drown out the music of the orchestra, but no one cares for that as "A good time and plenty of fun" is the motto for the evening.

Princeton is adopting the plan of forming sectional clubs among the students for social purposes and also with the idea of interesting "prep" graduates in the University. The latest organization is the Club of the Oranges.

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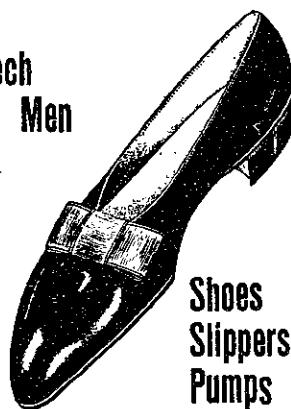
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There will be only one more week of the stay of "The Rogers Brothers in Ireland" at the Hollis Street Theatre, and then these merry comedians will take their leave of the Boston stage with the jolliest vaudeville farce that they have ever brought here. Ireland is an ideal spot for the droll German comedians to visit, and the land of jigs and pretty colleens appeals to everybody. The comedians have hosts of new things this season, and the company which they have in their support is better than any of its predecessors.

PARK THEATRE.

Boston is to have a week of grand opera with Italian celebrities at the Park Theatre, the attraction being the San Carlo Opera Company. Alice Nielsen, the American prima donna, Constantino, the Spanish tenor, Riccardo Martin, and many others are in the company, and the operas will be "La Boheme" Monday, Tuesday, Friday and Saturday nights, "Don Pasquale" Wednesday night and Saturday afternoon, and the garden scene from "Faust" and the last two acts of "Il Trovatore" Thursday.

COLONIAL THEATRE.

Richard Carle and "The Spring Chicken" will enter upon the third week of their engagement in Boston on Monday evening, the popularity being greater than ever. Mr. Carle has a style all his own, and he makes everybody roar with merriment at all that he does. Especially good is his song about picking lemons in the garden of love, which is the catchiest of all the numbers in the production. With a stage well filled with pretty girls there is every reason why "The Spring Chicken" should get to be quite a bird before it leaves Boston.

Graduates of Johns Hopkins University are protesting against the recent action of the trustees in admitting women to the graduate department.

READING NOTICES.

Tutor.—Private instruction given evenings. Prepare for the exams now. C. W. Hawkes, '06, Room 1009, 101 Milk St., City. Tel. Main 6033.

Any Tech man who will work can make from \$150 to \$400 this summer. I made \$300 last year. See me at 1 o'clock, Monday, Wednesday and Friday, at the Cage. J. N. Stephenson, '09.

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